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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:	Usuka <i>et al.</i>	Confirmation No.:	3878
Serial No.:	10/015,167	Art Unit:	1631
Filed:	December 11, 2001	Examiner:	Eric S. DeJong
For:	SYSTEM AND METHOD FOR PREDICTING CHROMOSOMAL REGIONS THAT CONTROL PHENOTYPIC TRAITS	Attorney Docket No:	9080-016-999 (800935-999015)

AMENDMENT UNDER 37 C.F.R. § 1.111

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

In response to the Office Action mailed on May 18, 2006 in connection with the above-identified patent application, please enter the following amendments and consider the following remarks. Applicants submit concurrently herewith a Petition for Extension of Time.

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Drawings** begin on page 3 of this paper and reference both the attached replacement sheet (Appendix A) and annotated sheet (Appendix B) showing changes.

**Amendments to the Claims** are reflected in the listing of claims that begins on page 4 of this paper.

**Remarks / Arguments** begin on page 17 of this paper.

**Appendix A** including Replacement Sheet for Figure 10 follows page 25 of this paper.

**Appendix B** including Annotated Sheets showing changes to Figure 10 follows Appendix A.